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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.411.00

Report No: 2024327-B016

Ballast type: AC

Test No: 2024327-C016

Voltage(V): 34.150

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2888.0

Power (W): 19.670

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2422.40, Efficiency(%): 83.88% , Luminous Efficacy(lm/W): 123.15

Central intensity(cd): 4284.198, Maximum intensity(cd): 4294.659

Angle of maximum intensity: C=0.0  $\gamma$ =3.0

Beam Angle(50%Imax): [C0/180]Total=44.4

[C90/270]Total=44.4

Field angle(10%Imax): [C0/180]Total=67.2

[C90/270]Total=67.2

Maximum s/h(1/2): C0\_180=0.72 C90\_270=0.72

Maximum s/h(1/4): C0\_180=0.69 C90\_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.741%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/27  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4284.198	0.000	0	0.00%	0.00%
1.0	4286.978	4.101	4.101	0.14%	0.17%
2.0	4291.001	12.312	16.413	0.43%	0.68%
3.0	4294.659	20.534	36.947	0.71%	1.53%
4.0	4291.952	28.742	65.689	1.00%	2.71%
5.0	4279.955	36.876	102.565	1.28%	4.23%
6.0	4253.840	44.847	147.413	1.55%	6.09%
7.0	4209.216	52.530	199.943	1.82%	8.25%
8.0	4151.791	59.838	259.781	2.07%	10.72%
9.0	4083.247	66.741	326.521	2.31%	13.48%
10.0	4004.387	73.190	399.711	2.53%	16.50%
11.0	3916.677	79.148	478.859	2.74%	19.77%
12.0	3811.995	84.485	563.345	2.93%	23.26%
13.0	3701.241	89.163	652.508	3.09%	26.94%
14.0	3572.857	93.108	745.616	3.22%	30.78%
15.0	3427.063	96.098	841.714	3.33%	34.75%
16.0	3271.393	98.151	939.865	3.40%	38.80%
17.0	3091.071	99.081	1038.945	3.43%	42.89%
18.0	2919.892	99.108	1138.053	3.43%	46.98%
19.0	2742.203	98.509	1236.562	3.41%	51.05%
20.0	2556.541	96.982	1333.544	3.36%	55.05%
21.0	2368.903	94.579	1428.122	3.27%	58.95%
22.0	2178.193	91.376	1519.498	3.16%	62.73%
23.0	1997.870	87.625	1607.123	3.03%	66.34%
24.0	1811.476	83.286	1690.409	2.88%	69.78%
25.0	1653.685	78.790	1769.199	2.73%	73.04%
26.0	1461.504	73.534	1842.734	2.55%	76.07%
27.0	1284.437	67.180	1909.914	2.33%	78.84%
28.0	1190.860	62.669	1972.583	2.17%	81.43%
29.0	1063.588	58.983	2031.566	2.04%	83.87%
30.0	921.429	53.595	2085.161	1.86%	86.08%
31.0	773.038	47.155	2132.315	1.63%	88.03%
32.0	639.241	40.460	2172.776	1.40%	89.70%
33.0	508.912	33.825	2206.601	1.17%	91.09%
34.0	386.256	27.090	2233.691	0.94%	92.21%
35.0	289.357	20.982	2254.673	0.73%	93.08%
36.0	228.252	16.481	2271.154	0.57%	93.76%
37.0	150.403	12.350	2283.503	0.43%	94.27%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.063	7.759	2291.263	0.27%	94.59%
39.0	69.093	5.159	2296.422	0.18%	94.80%
40.0	62.875	4.603	2301.025	0.16%	94.99%
41.0	58.523	4.323	2305.348	0.15%	95.17%
42.0	55.311	4.136	2309.483	0.14%	95.34%
43.0	52.817	4.005	2313.489	0.14%	95.50%
44.0	50.549	3.901	2317.39	0.14%	95.67%
45.0	48.398	3.803	2321.193	0.13%	95.82%
46.0	46.343	3.705	2324.898	0.13%	95.98%
47.0	44.375	3.608	2328.506	0.12%	96.12%
48.0	42.619	3.517	2332.023	0.12%	96.27%
49.0	40.958	3.432	2335.455	0.12%	96.41%
50.0	39.539	3.356	2338.811	0.12%	96.55%
51.0	38.237	3.291	2342.102	0.11%	96.69%
52.0	36.803	3.220	2345.322	0.11%	96.82%
53.0	35.296	3.136	2348.458	0.11%	96.95%
54.0	33.694	3.041	2351.499	0.11%	97.07%
55.0	32.085	2.936	2354.435	0.10%	97.19%
56.0	30.549	2.830	2357.265	0.10%	97.31%
57.0	29.122	2.728	2359.994	0.09%	97.42%
58.0	27.908	2.637	2362.631	0.09%	97.53%
59.0	26.862	2.561	2365.191	0.09%	97.64%
60.0	25.808	2.488	2367.68	0.09%	97.74%
61.0	24.865	2.418	2370.098	0.08%	97.84%
62.0	24.075	2.358	2372.456	0.08%	97.94%
63.0	23.460	2.312	2374.768	0.08%	98.03%
64.0	22.765	2.268	2377.036	0.08%	98.13%
65.0	21.814	2.206	2379.243	0.08%	98.22%
66.0	20.658	2.119	2381.362	0.07%	98.31%
67.0	19.890	2.039	2383.401	0.07%	98.39%
68.0	19.583	2.000	2385.4	0.07%	98.47%
69.0	19.481	1.993	2387.393	0.07%	98.56%
70.0	19.408	1.997	2389.39	0.07%	98.64%
71.0	19.364	2.004	2391.394	0.07%	98.72%
72.0	19.305	2.011	2393.405	0.07%	98.80%
73.0	19.225	2.015	2395.42	0.07%	98.89%
74.0	19.093	2.014	2397.434	0.07%	98.97%
75.0	18.800	2.002	2399.436	0.07%	99.05%

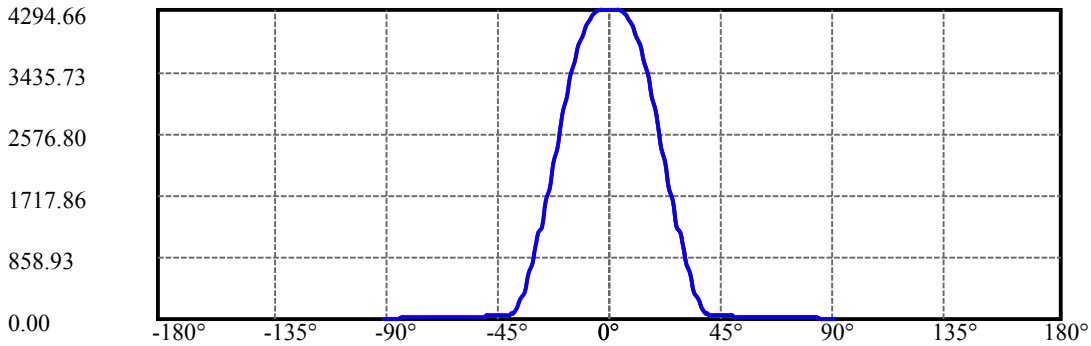
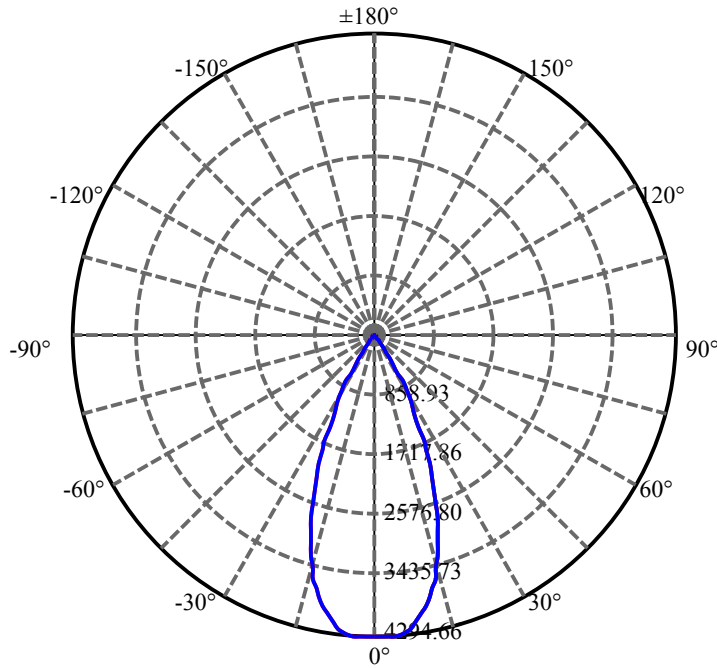
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.361	1.973	2401.409	0.07%	99.13%
77.0	17.915	1.934	2403.343	0.07%	99.21%
78.0	17.381	1.889	2405.232	0.07%	99.29%
79.0	16.811	1.837	2407.07	0.06%	99.37%
80.0	16.211	1.780	2408.85	0.06%	99.44%
81.0	15.604	1.720	2410.57	0.06%	99.51%
82.0	14.879	1.653	2412.223	0.06%	99.58%
83.0	13.906	1.565	2413.788	0.05%	99.64%
84.0	12.648	1.447	2415.235	0.05%	99.70%
85.0	11.587	1.323	2416.558	0.05%	99.76%
86.0	10.936	1.231	2417.789	0.04%	99.81%
87.0	10.673	1.183	2418.971	0.04%	99.86%
88.0	10.454	1.157	2420.129	0.04%	99.91%
89.0	10.315	1.138	2421.267	0.04%	99.95%
90.0	10.285	1.129	2422.396	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2085.16	72.20%	86.08%
0-40	2301.02	79.68%	94.99%
0-60	2367.68	81.98%	97.74%
0-90	2421.27	83.84%	99.95%
0-120	2421.27	83.84%	99.95%
0-180	2422.40	83.88%	100.00%
60-90	53.59	1.86%	2.21%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.45	1937.92	67.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	399.71
10-20	933.83
20-30	751.62
30-40	215.86
40-50	37.79
50-60	28.87
60-70	21.71
70-80	19.46
80-90	12.42
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max): —————

C0/C180: —————

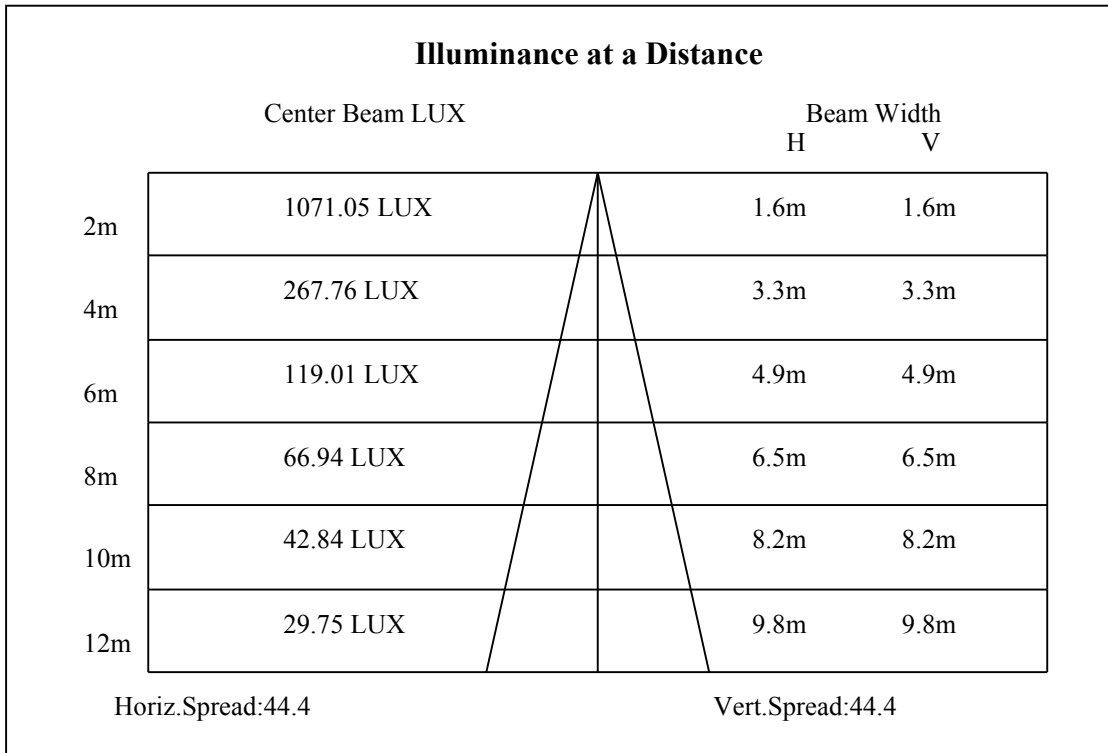
C90/C270: —————

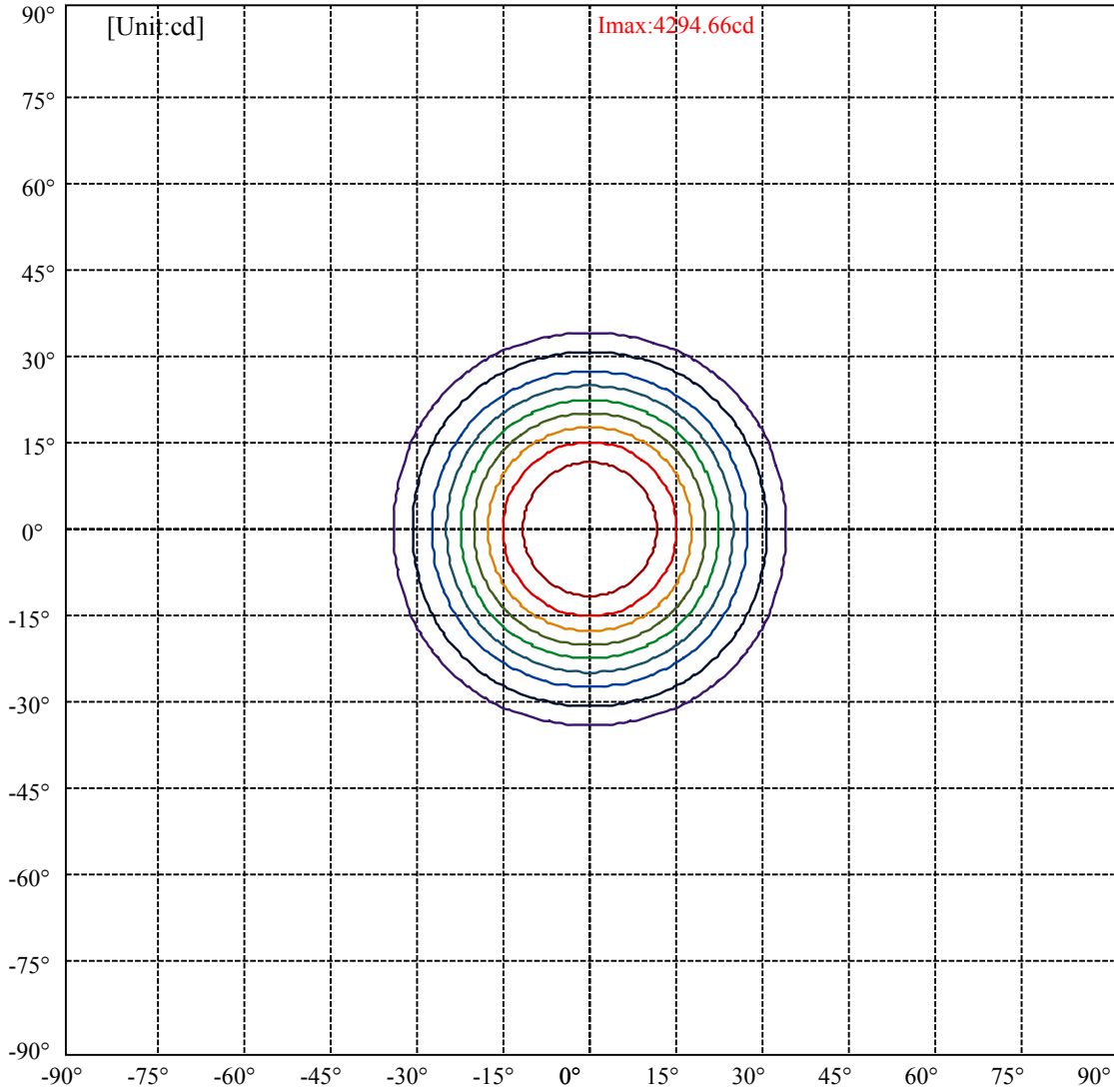
Field angle(10%Imax):C0/180Left:36.6 Right:30.6

:C90/270Left:36.6 Right:30.6

Beam Angle(50%Imax):C0/180Left:25.2 Right:19.2

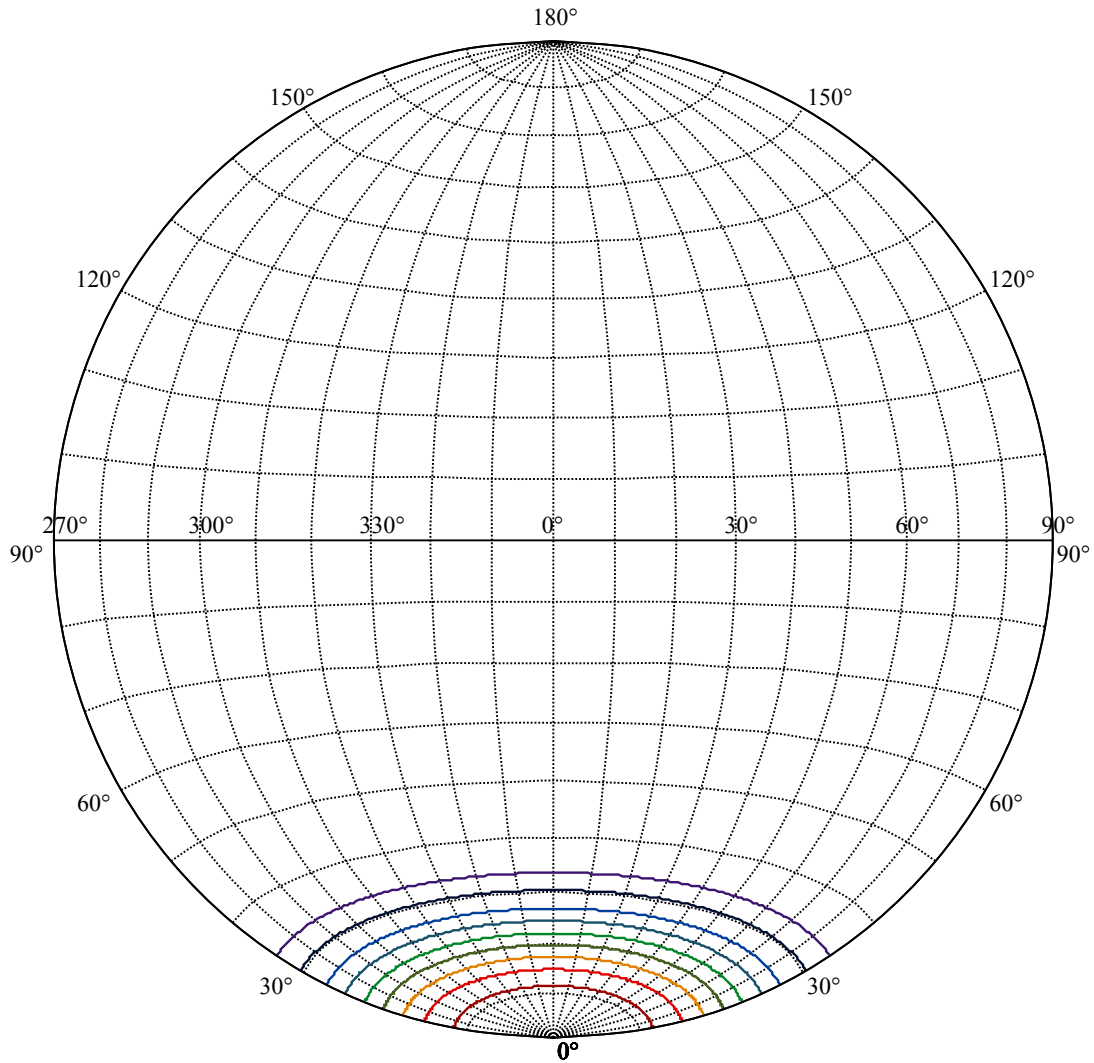
:C90/270Left:25.2 Right:19.2





(10%Imax) 429.466	—
(20%Imax) 858.932	—
(30%Imax) 1288.4	—
(40%Imax) 1717.86	—
(50%Imax) 2147.33	—
(60%Imax) 2576.8	—
(70%Imax) 3006.26	—
(80%Imax) 3435.73	—
(90%Imax) 3865.19	—





House

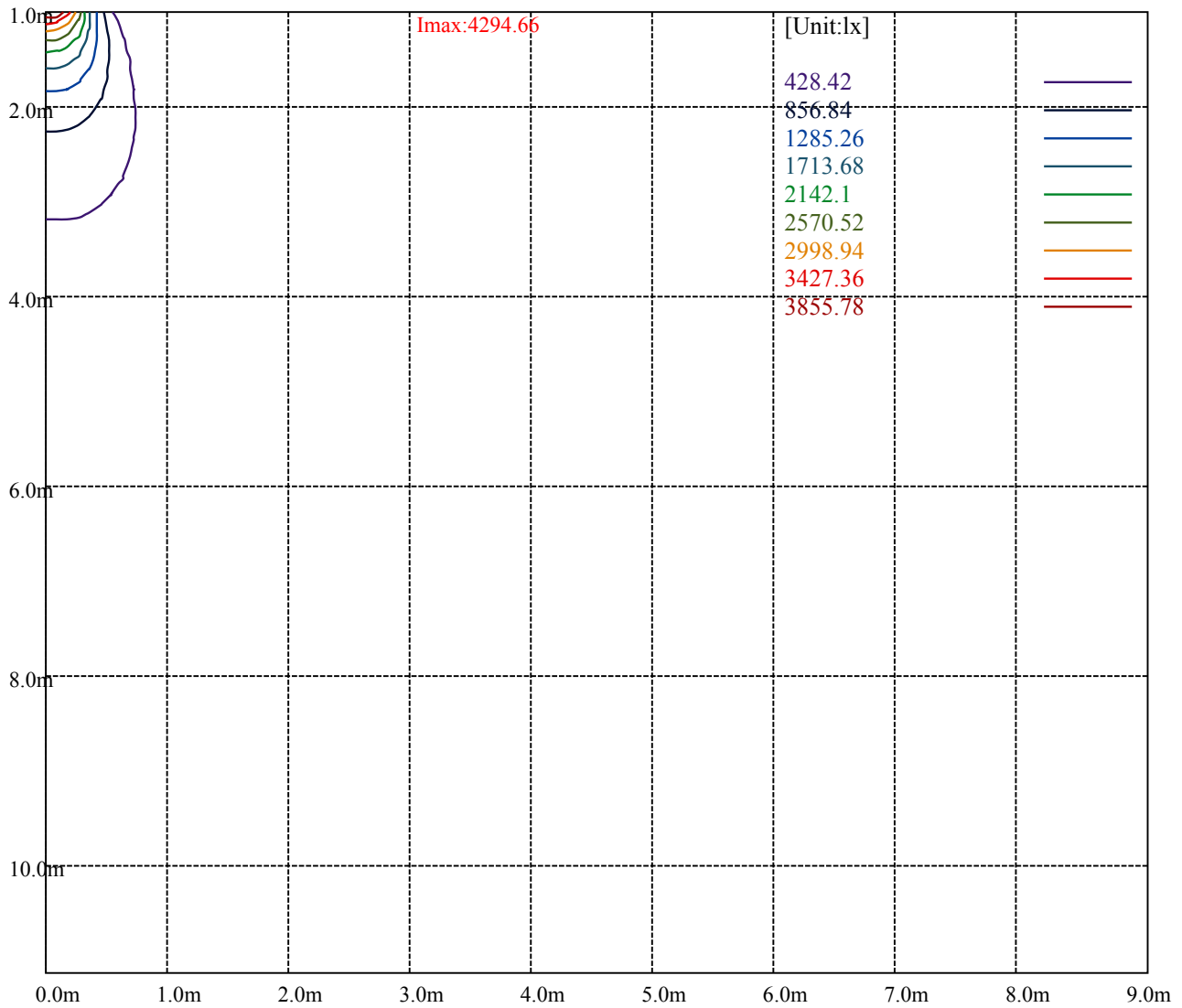
[Unit:cd]

Road

**Imax:4294.66**

(10%Imax)	429.466	—
(20%Imax)	858.932	—
(30%Imax)	1288.4	—
(40%Imax)	1717.86	—
(50%Imax)	2147.33	—
(60%Imax)	2576.8	—
(70%Imax)	3006.26	—
(80%Imax)	3435.73	—
(90%Imax)	3865.19	—





Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

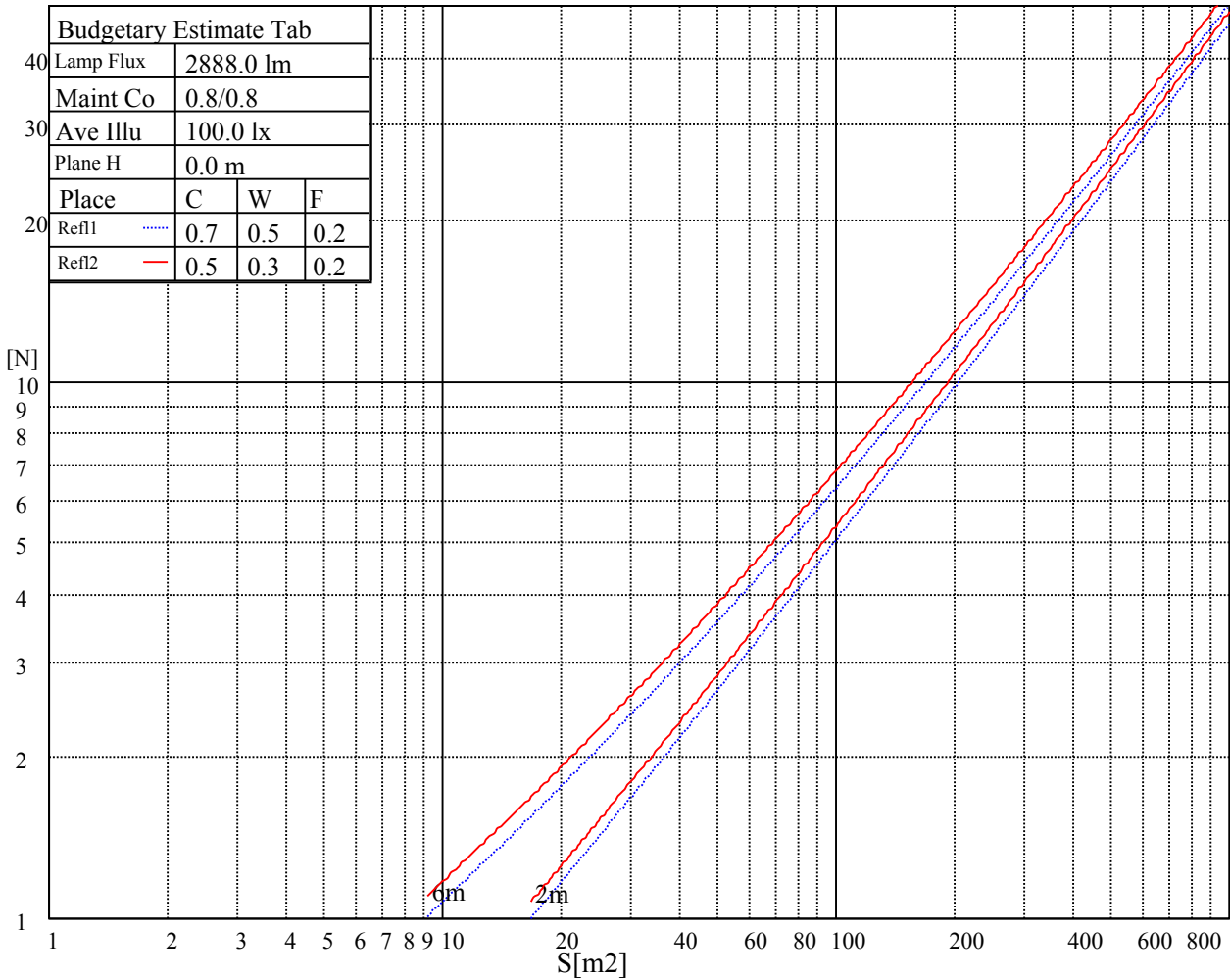
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

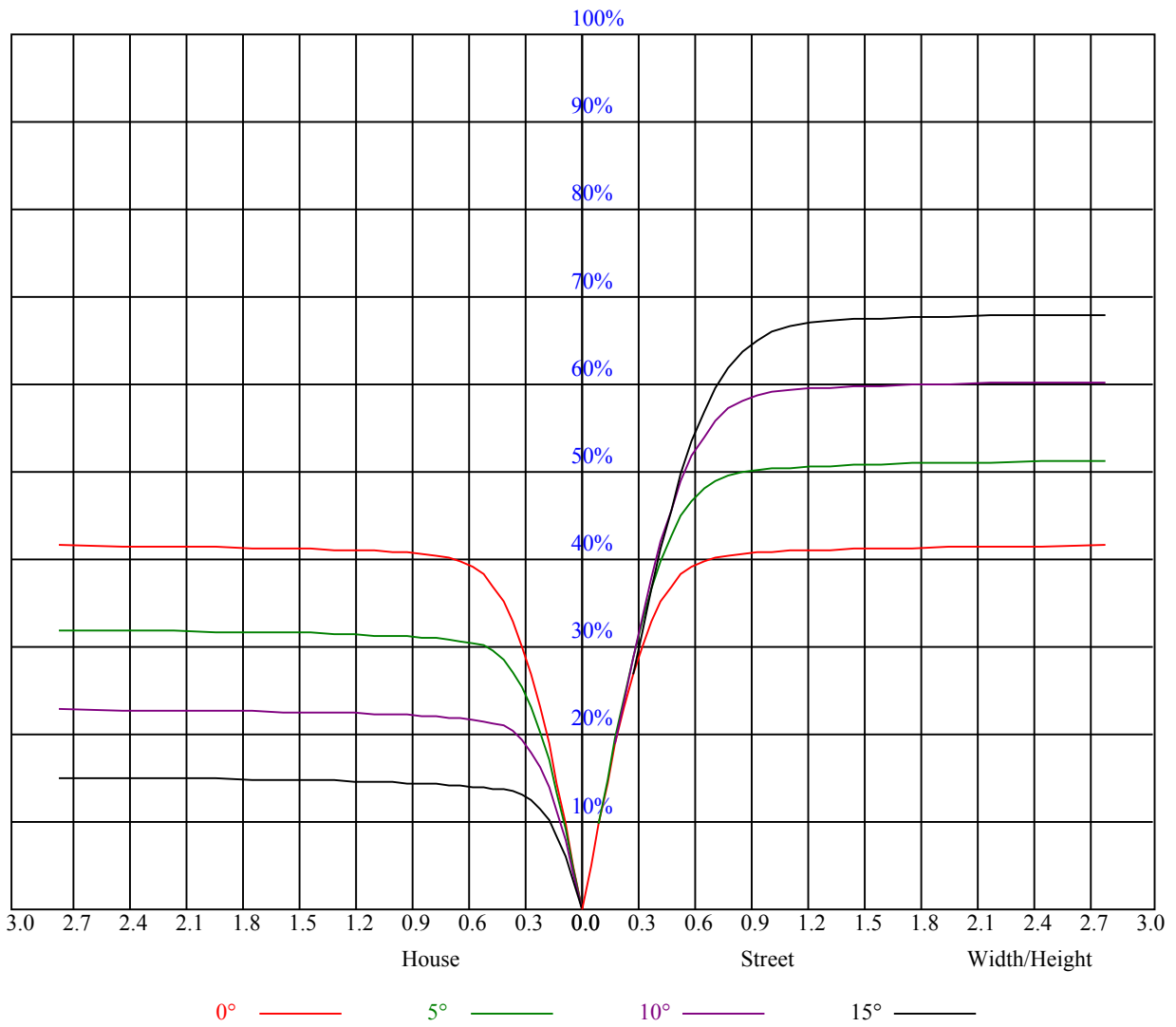


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:										
S = 1.0H	非数字/非数字					非数字/非数字				
S = 1.5H	非数字/非数字					非数字/非数字				
S = 2.0H	非数字/非数字					非数字/非数字				
Standard tables:	BK0					BK0				
Uncorrected UGR	负无穷大					负无穷大				

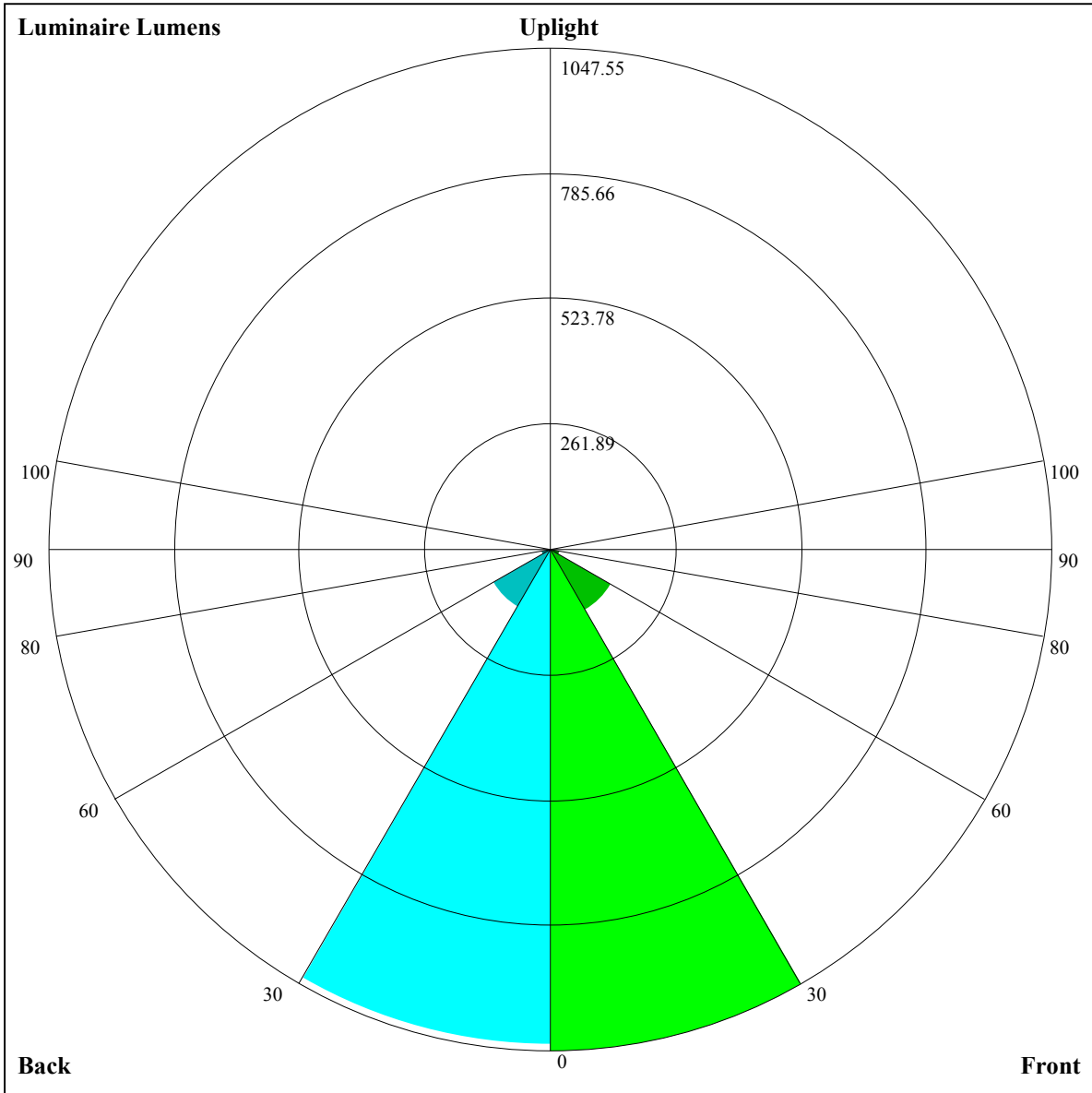
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.87	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.74
3	0.82	0.79	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.71	0.70
4	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.54
9	0.61	0.57	0.54	0.61	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50







Luminaire Lumens:

FL=1047.55,FM=145.49,FH=20.68,FVH=6.84

BL=1034.64,BM=139.99,BH=20.52,BVH=6.73

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4286.25	4293.27	4293.85	4302.05	4302.05	4290.93	4272.20	4214.85	4166.28
45.0	4289.17	4282.15	4288.59	4292.68	4299.12	4307.90	4298.54	4282.74	4232.99
90.0	4283.91	4292.10	4296.78	4299.12	4301.46	4286.83	4262.25	4220.12	4167.45
135.0	4277.47	4276.30	4285.66	4293.85	4298.54	4291.51	4273.37	4232.41	4192.03
180.0	4286.25	4292.10	4296.78	4298.54	4294.44	4279.81	4249.96	4195.54	4145.21
225.0	4289.17	4296.78	4294.44	4294.44	4273.96	4250.55	4193.78	4135.84	4065.62
270.0	4283.91	4279.81	4286.83	4291.51	4287.42	4277.47	4255.23	4214.26	4146.38
315.0	4277.47	4283.32	4285.08	4285.08	4278.64	4254.64	4225.38	4177.98	4098.39
360.0	4286.25	4293.27	4293.85	4302.05	4302.05	4290.93	4272.20	4214.85	4166.28
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4097.22	4009.43	3922.82	3832.11	3696.34	3574.61	3438.84	3290.78	3094.73
45.0	4182.08	4115.36	4048.06	3945.65	3852.01	3748.42	3627.87	3465.18	3317.70
90.0	4086.68	4004.75	3914.63	3822.75	3717.41	3561.15	3427.72	3277.90	3079.51
135.0	4138.18	4056.25	3979.59	3871.91	3769.49	3650.11	3529.55	3349.30	3193.05
180.0	4078.49	4005.34	3904.68	3811.04	3703.95	3551.79	3417.19	3272.64	3065.47
225.0	3970.22	3886.54	3796.41	3658.89	3537.74	3400.22	3217.04	3054.93	2887.56
270.0	4081.42	4010.02	3931.01	3814.56	3708.63	3592.17	3429.48	3286.10	3081.27
315.0	4031.67	3947.40	3836.21	3739.06	3624.36	3504.39	3328.82	3174.32	3009.29
360.0	4097.22	4009.43	3922.82	3832.11	3696.34	3574.61	3438.84	3290.78	3094.73
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2930.28	2758.81	2587.34	2370.22	2193.48	1974.61	1808.40	1651.56	1472.48
45.0	3156.76	2992.31	2785.73	2618.94	2398.31	2222.74	2047.76	1836.49	1679.07
90.0	2913.31	2706.14	2531.16	2360.86	2141.40	1965.83	1799.04	1649.81	1476.00
135.0	3030.94	2875.27	2669.85	2504.82	2329.84	2152.52	1933.64	1768.61	1619.38
180.0	2905.12	2738.33	2559.83	2347.98	2180.61	1995.09	1792.60	1645.71	1457.85
225.0	2673.37	2500.14	2329.25	2153.69	1937.74	1775.63	1624.64	1483.60	1163.43
270.0	2909.80	2740.08	2534.67	2363.78	2189.97	2014.99	1800.21	1650.98	1507.60
315.0	2839.57	2626.55	2454.49	2230.94	2054.20	1881.56	1685.51	1542.71	1316.23
360.0	2930.28	2758.81	2587.34	2370.22	2193.48	1974.61	1808.40	1651.56	1472.48
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1140.90	1140.90	1037.55	897.79	769.80	644.92	489.19	369.16	266.75
45.0	1527.50	1357.20	1234.30	1095.01	961.00	798.89	668.39	547.24	426.10
90.0	1148.15	1148.15	1079.51	941.16	777.00	652.99	499.37	382.09	274.47
135.0	1440.30	1308.62	1145.34	1012.50	868.53	716.37	595.23	477.02	359.39
180.0	1330.27	1212.06	1065.75	889.60	759.68	633.27	509.20	362.31	310.81
225.0	1163.43	1021.74	890.48	755.94	597.92	476.26	360.73	260.60	156.08
270.0	1375.34	1223.76	1080.38	939.34	771.97	639.12	517.98	369.92	317.84
315.0	1149.62	1114.44	975.39	840.09	678.39	552.10	431.19	321.70	203.42
360.0	1140.90	1140.90	1037.55	897.79	769.80	644.92	489.19	369.16	266.75
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	181.60	114.12	78.13	69.88	63.91	58.87	55.77	53.08	51.09
45.0	313.74	313.74	120.85	79.42	70.99	64.67	59.46	56.18	53.72
90.0	164.51	101.48	75.96	68.35	61.51	57.88	54.84	52.20	50.21
135.0	307.30	307.30	92.17	73.97	65.37	61.04	57.35	54.07	51.97
180.0	310.81	107.86	75.73	68.35	62.74	57.94	54.95	52.73	50.10
225.0	99.78	75.96	68.65	61.80	58.11	55.07	52.32	50.33	47.81
270.0	317.84	96.15	74.09	66.83	61.51	57.00	54.37	52.38	50.45
315.0	130.45	86.61	70.93	64.14	58.87	55.71	53.43	51.56	49.04
360.0	181.60	114.12	78.13	69.88	63.91	58.87	55.77	53.08	51.09

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	48.92	46.47	44.59	42.72	41.32	39.68	38.45	37.28	35.93
45.0	51.03	48.87	46.94	45.00	42.72	41.14	39.85	38.62	37.04
90.0	48.16	46.17	43.77	42.08	40.61	39.09	37.81	36.28	34.88
135.0	49.92	47.52	45.59	43.77	41.73	40.38	39.15	37.86	36.23
180.0	48.16	46.35	44.01	42.31	40.91	39.27	38.04	36.64	35.23
225.0	45.82	43.95	42.37	40.97	39.33	38.10	36.75	34.94	33.47
270.0	47.99	46.12	44.18	42.55	40.79	39.56	38.04	36.75	34.94
315.0	47.17	45.30	43.54	41.55	40.26	39.09	37.81	36.05	34.65
360.0	48.92	46.47	44.59	42.72	41.32	39.68	38.45	37.28	35.93
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.06	32.54	31.02	29.32	28.21	27.21	25.98	25.05	24.29
45.0	35.64	34.18	32.25	30.78	29.26	28.15	27.10	26.04	24.81
90.0	33.42	31.54	30.08	28.91	27.80	26.45	25.52	24.64	23.88
135.0	34.82	33.36	31.78	30.02	28.50	27.68	26.45	25.40	24.23
180.0	33.30	31.72	30.26	28.97	27.62	26.69	25.40	24.46	23.88
225.0	31.84	30.43	28.85	27.74	26.74	25.52	24.64	23.76	23.29
270.0	33.42	31.78	30.37	28.85	27.80	26.80	25.87	25.05	24.29
315.0	33.07	31.13	29.79	28.38	27.33	26.39	25.52	24.52	23.94
360.0	34.06	32.54	31.02	29.32	28.21	27.21	25.98	25.05	24.29
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.58	23.06	22.12	20.66	19.84	19.61	19.49	19.37	19.31
45.0	24.11	23.70	23.17	22.18	20.89	20.01	19.78	19.66	19.61
90.0	23.35	22.71	21.83	20.42	19.72	19.66	19.55	19.55	19.55
135.0	23.58	23.12	22.53	21.30	20.13	19.66	19.61	19.49	19.55
180.0	23.23	22.53	21.54	20.42	19.72	19.49	19.43	19.37	19.37
225.0	22.65	21.65	20.13	19.55	19.43	19.20	19.25	19.20	19.14
270.0	23.76	22.94	21.95	20.66	19.72	19.55	19.43	19.37	19.25
315.0	23.41	22.41	21.24	20.07	19.66	19.49	19.31	19.25	19.14
360.0	23.58	23.06	22.12	20.66	19.84	19.61	19.49	19.37	19.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.25	19.14	19.08	18.79	18.32	17.85	17.38	16.68	16.09
45.0	19.61	19.49	19.37	19.20	18.96	18.55	17.97	17.56	17.09
90.0	19.49	19.43	19.31	19.02	18.49	18.08	17.56	17.03	16.33
135.0	19.49	19.49	19.37	19.20	18.73	18.26	17.85	17.21	16.62
180.0	19.31	19.25	19.14	18.84	18.32	17.91	17.44	16.91	16.21
225.0	19.08	18.96	18.79	18.38	17.85	17.38	16.74	16.21	15.74
270.0	19.14	19.08	18.90	18.55	18.20	17.79	17.21	16.62	15.98
315.0	19.08	18.96	18.79	18.43	18.02	17.50	16.91	16.27	15.63
360.0	19.25	19.14	19.08	18.79	18.32	17.85	17.38	16.68	16.09
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.63	14.98	14.28	12.93	11.82	10.94	10.65	10.48	10.30
45.0	16.62	15.98	15.16	14.10	12.41	11.35	10.94	10.65	10.48
90.0	15.74	14.98	13.93	12.52	11.41	10.94	10.77	10.53	10.30
135.0	16.09	15.22	14.34	13.46	12.11	11.18	10.89	10.59	10.36
180.0	15.57	14.69	13.46	12.06	11.12	10.83	10.59	10.36	10.24
225.0	14.98	14.16	12.52	11.18	10.83	10.65	10.42	10.24	10.24
270.0	15.27	14.81	14.16	12.76	11.59	10.83	10.59	10.42	10.30
315.0	14.92	14.22	13.40	12.17	11.41	10.77	10.53	10.36	10.30
360.0	15.63	14.98	14.28	12.93	11.82	10.94	10.65	10.48	10.30

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	10.24
45.0	10.30
90.0	10.30
135.0	10.30
180.0	10.24
225.0	10.30
270.0	10.30
315.0	10.30
360.0	10.24